



ANNUAL REPORT
OF THE
Medical Officer of Health,
1911.



BURY:
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MEDICAL OFFICER'S REPORT

FOR 1911.

POPULATION AT CENSUS, 1911	-	-	-	9,043
ESTIMATED POPULATION AT MIDDLE OF 1911	-			9,060
AREA OF DISTRICT IN STATUTE ACRES	-			12,041

To the Rural District Council of Bury.

MR. CHAIRMAN AND GENTLEMEN,

I beg to submit my Report on the Health and Sanitary condition of the District for the year 1911.

The District is a wide and scattered one, being composed of all that part of the Bury Union which is not Urban. It lies at an altitude varying from 125 feet at Molyneux, to 1500 feet above sea level, at Whittle Pike, Shuttleworth.

The Rainfall in the County Borough of Bury, which the Rural District surrounds, was 39·41 inches during the year, compared with 43·86 for 1910. The greatest rainfall occurred in the month of December and was 7·25 inches, and the least in July when about a quarter of an inch fell during the month. An appreciable amount of rain fell on 185 days during the year, compared with 215 days during 1910. The Summer was one of the hottest on record.

The District contains both agricultural and industrial communities. The chief centres of population are in parts of each of the various localities, especially Ainsworth, Bamford, Outwood, and Unsworth, Birtle to a less extent, while Walmersley-cum-Shuttleworth is mainly agricultural. The inhabitants in these centres of population are chiefly employed in textile industries. consequently there is a large demand for female labour. There are about 100 Milk Farms in the District. The milk, in addition to supplying the inhabitants, is carried for sale to the various Urban Districts in the neighbourhood.

Birth Rate—This is distinctly lower than in 1910. 176 births have been registered, consisting of 98 males and 78 females, this gives a Birth Rate of only 19·4 per 1000 persons living compared with 21·9 per 1000 in 1910. The average for the previous 5 years was 21·2 per 1000. There were 6 illegitimate births registered during the year, being at the rate of 3·4 per cent. of the total births.

Crude Death Rate—The total number of deaths registered in the district during the year was 110, of which 57 were males and 53 females, giving a crude Death Rate of 12·1 per 1000 persons living. This is higher than in 1910 when it was 10·3 per 1000.

Corrected Death Rate.—Of these 110 deaths 7 have been transferred as belonging to other districts, and 14 other deaths of persons usually resident in this district have been transferred here making altogether 117 deaths of residents, and giving a corrected Death Rate of 12·9 per 1000 per annum. This is higher than in 1910 when it was 11·7 per 1000. The average Death Rate for the previous 5 years was 13·3 per 1000.

The following Table shows the particulars from the various localities :—

Locality	Area in Statute Acres.	Population			Births			Birth rate per 1,000	Deaths		Death rate per 1,000
		Census 1901	Census 1911	Estimated Middle 1911	Males	Females	Illegitimate		Males	Females	
Ainsworth	1460	1718	1903	1903	17	21	0	19·9	13	14	14·1
Birtle-cum-Bamford	2410	1447	1676	1682	22	13	1	20·8	10	9	11·2
Outwood	1938	1514	2099	2104	28	25	3	25·1	14	11	11·8
Unsworth	3067	2698	2707	2713	23	16	1	14·3	20	14	12·5
Walmersley-cum-Shuttleworth	3139	711	658	658	8	3	1	16·7	6	6	18·2
Total.....	12014	8088	9043	9060	98	78	6	19·4	63	54	12·9

Infantile Mortality—There is again an increase in the death rate of infants under one year of age. During the year 21 deaths have been registered. This gives a death rate of 119·3 per 1000 births compared with 110·5 in 1910. The average rate for the previous 5 years was 101·1 per 1000 births.

There was only one death of an illegitimate infant during the year.

The ages at which these 21 deaths occurred were 5 under 1 month, of which 4 took place during the first week of life, and 1 in the third week; 5 between 1 and 3 months; 7 between 3 and 6 months; 3 between 6 and 9 months, and 1 between 9 and 12 months. The causes were 9 from Diarrhoea and Enteritis, 5 from Premature Birth and Congenital Defects, 3 from Bronchitis, 2 from Pneumonia, and 2 from other causes. I would draw your attention to the much larger mortality from Diarrhoea and Enteritis than for several years. This was only to be expected in view of the hot and dry weather experienced, causing a much greater prevalence of dust, and consequently greater liability of food contamination. Eight out of the nine deaths occurred during the months of July, August and September, and seven of them in children under six months old. I have no information as to whether these children were fed naturally or artificially, but in future I intend to ascertain this point. Means were taken during the year to impress upon the inhabitants the dangers of uncleanness, especially in regard to the storage of food, the necessity of burning all animal and vegetable refuse, and the regular emptying of privies and ashpits. Handbills were distributed bearing on these points, especially as they affected Summer Diarrhoea.

Mortality under Five years of age.—38 out of the total number of deaths occurred among children under 5 years old. This is at the rate of 28·2 per cent. of the total deaths, compared with 26 per cent. in 1910.

Mortality over Sixty-five years of age.—The deaths of 22 persons over 65 years of age were registered. This is at the rate of 18·8 per cent. of the total deaths, as compared with 31 per cent. in 1910.

Zymotic Death Rate.—23 deaths from the principal Zymotic diseases have been registered during the year, viz.: 4 from Diphtheria, 2 from Scarlet Fever, 1 from Enteric Fever, 1 from Influenza, and 14 from Diarrhoea. This gives a death rate

of 19·6 per cent. of the total deaths compared with 12 per cent. in 1910. This great increase is due entirely to the large number of Deaths from Diarrhoea.

Phthisis and other Tubercular Diseases have caused 6 deaths, giving a rate of ·66 per 1000 persons living, and 5·1 per cent. of the total deaths. This is a much lower rate than in 1910, when it was 1·15 per 1000.

Cancer and other Malignant Diseases have caused 7 deaths, which is at the rate of ·77 per 1000 persons living and 5·9 per cent. of the total deaths.

Diseases of the Respiratory Organs have caused 19 deaths during the year, being at the rate of 2 per 1000 persons living, and 16·2 per cent. of the total deaths.

Notification of Infectious Diseases.—68 cases have been notified during the year. This is 8 more than were notified in 1910, and of this number 48 were cases of Scarlatina. This disease was particularly prevalent in Unsworth, where no less than 37 cases occurred, the great majority in the first half of the year. The disease was mainly of a mild type, and it was probably on this account that cases kept occurring. It never assumed an epidemic form nor was it confined especially to the scholars of any one school. The greatest number of cases were notified in January (10), February (8), and May (7).

One case of Small pox occurred in Unsworth in July, in the person of a Clerk who worked in Manchester. The man was on holiday at the time of infection and probably contracted the disease when cycling through the country. The case was immediately removed to the Smallpox Hospital at Ainsworth, the house thoroughly disinfected, and all known contacts were vaccinated and kept under observation until danger of contracting the disease was past. Fortunately no further case developed.

Diphtheria broke out in the village of Turn on two occasions during the year viz. :—4 cases in March and April, and 3 in October. These were all associated with the scholars at Turn Council School. Careful investigations were made and I examined

all the scholars. The drainage and the closets, which were of the privy midden type, were found to be in an unsatisfactory condition. The County Council have now reconstructed the drains and converted the privies into pails.

During the year 24 cases of Infectious diseases were removed to the Hospital, viz. :—1 of Smallpox, 1 of Enteric Fever and 22 of Scarlatina.

The following table shows the distribution of the cases in the various localities :

Locality	Diphtheria	Scarlet Fever	Erysipelas	Enteric Fever	Puerperal Fever	Smallpox	Total	Removed to Hospital	Per cent. of cases to Pop.
Ainsworth	—	1	2	1	2	—	6	2	·3
Birtle-cum-Bamford	1	3	—	1	—	—	5	1	·2
Outwood.....	—	4	—	—	—	—	4	3	·1
Unsworth	2	37	2	1	—	1	43	16	1·5
Walmersley-cum-Shuttleworth	7	3	—	—	—	—	10	2	1·5
Total.....	10	48	4	3	2	1	68	24	·75

Water Supply—Nearly the whole of the district is supplied by Water Boards which provide a constant supply. In spite of the dry weather experienced during the summer months I have received no serious complaints. At one time there was some dissatisfaction on account of the water being dirty, but this occurred at the extremity of the district supplied; it was remedied by the mains being flushed. The greater part of the district is supplied by the Bury and District Joint Water Board, but Ainsworth receives its supply from the Bolton Corporation, and Bamford from the Heywood and Middleton Joint Board. Many of the farms and the outlying parts of the district have private supplies. I had an analysis made of the supply to Turn School and part of the village, on account of the outbreak of Diphtheria. The analysis showed it to be a water of excellent quality.

Pollution of Rivers.—This is under the supervision of the Mersey and Irwell Rivers Board.

Drainage and Sewage Disposal.—Works for the treatment of sewage are in operation at Prestolee, Parrs, Bamford, Croft Lane, Kilner Croft, Black Lane, Blackford Bridge, and Bradley Fold, consisting of settling tanks and bacteria beds, and in the case of Croft Lane and Kilner Croft land filtration in addition. The reports of the Mersey and Irwell Joint Board have been mostly satisfactory. The works at Prestolee are somewhat overtaxed and will have to be extended shortly to meet the requirements of a growing population. The works at Ringley are not yet in working order, but are nearly completed. Every opportunity is taken to convert privy middens to water closets and in the case of new houses the provision of water closets has been almost universal. During the year plans for building 47 houses have been passed, and 40 of these have water closets. The numbers approximately of each type in the district are privy middens 1000, pail closets 75, fresh water closets ~~280~~²³⁰, and waste water closets 50.

Very careful attention has been paid to the privy middens, the emptying of them has been much more regular and the general scavenging arrangements have been more thoroughly carried out.

Farms, Dairies and Cowsheds.—The usual inspections have been carried out, and though there is still room for considerable improvement in the condition of many of them a distinct advance has been made. Three new shippons have been built, and improvements carried out at nine other farms. There are 103 purveyors of milk in the district now. There is no storage of milk to any great extent, practically the whole is taken away to the consumer immediately after milking. Very little butter making is carried on. There is a small amount of cheese making done.

Elementary Schools.—There are seven elementary schools in the district now, viz: at Ainsworth, Buckhurst, Hollins, Prestolee, Ringley, Turn, and Unsworth. These have been inspected and have been found in a clean condition, and well ventilated. The water supply in each case is satisfactory, and

with the exception of Buckhurst and Turn is supplied by Water Boards. The closet accommodation, except at Prestolee, which is on the water carriage system, are either pails or privy middens. I hope soon to be able to report that more of them have adopted water closets. When a case of infectious disease occurs in the houses of the pupils in any school notice is sent to the managers and frequent opportunities are taken for the fumigation and cleaning of the school buildings. The medical inspection of the children is entirely in the hands of the County Council.

Housing and Town Planning Act.—You appointed Mr. Hurst, the Sanitary Inspector, as Inspector under this Act. He has commenced a systematic inspection, but on account of his other duties and the wide area of the district it will take some time to complete. He is looking after the old property first chiefly, as it is probable these old houses are in the worst condition. Speaking generally the accommodation is good and sufficient for the wants of the inhabitants. There are comparatively few houses without both back and front doors and there is plenty of open space around.

All new houses are built according to plans passed by you and are properly inspected and certificates given that they are satisfactory before they are allowed to be tenanted.

About 50 houses have been inspected, and 20 of these were in such a state that they were unfit for habitation, 2 of them have been demolished and the remainder have been put into a proper state of repair. In all these cases the owner agreed to put the houses in a satisfactory condition so that no closing orders have been made.

Factory and Workshops Act.—The usual inspections have been carried out, and all factories and workshops have been found in satisfactory condition. There are 33 factories and 21 workshops in the district. They are situated in the various localities as follows :

Locality.	Ainsworth	Birtle-cum-Bamford	Outwood	Unsworth	Walmersley-cum-Shuttleworth	Total
Factories	11	5	4	10	3	33
Workshops	6	6	1	7	1	21
Total	17	11	5	17	4	54

The factories consist of 3 spinning mills, 6 cotton weaving sheds, 2 woollen mills, 2 fulling mills, 6 dyeworks, 1 calico print works, 4 bleach works, 2 wheelwright's shops, 2 joiners' shops, 1 engineer's works, 2 quarries, 1 firelighter's works and 1 spindle and fly maker's works.

The workshops consist of 3 dressmakers, 2 barbers, 5 clog and shoemakers, 2 undertakers, 3 painters, 2 breweries, 1 tripe-dressers, 2 bakehouses, and 1 plumber.

Two complaints have been received from His Majesty's Inspector of Factories. These are being attended to.

There are no outworkers in the district.

Appended to this Report are the Annual Report of the Inspector of Nuisances and the various Tables required by the Local Government Board and the Home Office.

I beg to remain, Mr. Chairman and Gentlemen,

Your obedient servant,

JAMES W. COOK,

March 27th, 1912.

Medical Officer of Health.

SANITARY INSPECTOR'S REPORT.

UNION OFFICES,
PARSONS LANE,
BURY.

To the Rural District Council of Bury.

MR. CHAIRMAN AND GENTLEMEN,

I beg to lay before you my Annual Report for the year ending December 31st, 1911.

Table of Nuisances, &c., from Jan. 1st to Dec. 31st, 1911.	Ainsworth	Birtle-cum Bamford	Outwood	Unsworth	Walmersley- cum- Shuttleworth	TOTAL
No. of Journeys made to each District	80	55	59	98	30	322
„ Visits and Inspections made in each District	240	186	179	200	90	895
„ Notices sent (Legal or Preliminary).....	14	31	12	15	15	87
„ Notices sent to Schools re Infectious Cases	6	4	4	40	10	64
„ Notifications received and reported upon to the M. O. H.....	6	5	4	43	10	68
„ Rooms disinfected & cleansed (schools included)	11	12	16	68	30	137
„ Factories & Workshops Inspected.....	17	11	5	17	4	54
„ Dairies and Cowsheds inspected	20	38	12	26	11	107
„ Dairy men, Cowkeepers & Purvys. of milk reg.	23	30	9	26	15	103
„ „ „ „ this year „	2	1	1	4	—	8
„ Houses provided with New Spouting and re- flagged yards, and new closets-	13	18	19	7	5	62
„ Sink Drains trapped, ventilated, and con- nected to Main Sewer.....	34	10	24	50	8	126
„ Other Nuisances dealt with, Privy and Ash- pits included.....	7	8	16	14	4	49
„ Nuisances abated	54	36	59	71	17	237
„ „ receiving owners' attention	14	21	20	26	12	93
„ „ found including connections to new mains..	68	57	79	97	29	330

Dairies and Cowsheds.

Periodical inspections have been made, and special attention given during the Autumn and Winter months, as to condition of same. Leaflets on "Cleanliness in the Dairy and Construction of Pigsties," published by the Board of Agriculture and Fisheries have been distributed to the Farmers and Dairy men with satisfactory results. Eight Cowkeepers and Dairy men have been registered under the Dairies, Cowsheds and Milkshops Order. Three new Cowsheds (with new drains) have been erected and sanitary improvements have been made to eight others in drainage, light, ventilation, and water supplies.

House Dwellings.

During the year you appointed me Inspector under the Housing and Town Planning Act, and a systematic inspection of dwellings has been commenced in your various districts. Forty-three houses were found with defective roofs, spouting, damp walls, and insufficient closet accommodation. Ten have been put in a sanitary condition, two pulled down or demolished, and the rest are being made satisfactory. Many houses have been connected to the new main sewers and am expecting many more conversions of privy middens to fresh water closets. Special attention has been paid to the emptying of ashpits, and to the disinfecting and cleansing of houses where needed.

Factories and Workshops.

Black Smoke emitted from mill chimneys is on the decrease, improvements having been made in having more boiler room and in using more electrical power. Special attention has been given to mill closets being put on the Water Carriage System where possible. The Workshops are kept fairly clean and the district is free from underground bakehouses and offensive trades. Seventeen Canal Boats have been inspected and no serious infringements of the Act discovered.

Yours obediently,

HENRY HURST,

Inspector.

RURAL DISTRICT

Vital Statistics of Whole District

Year	Population estimated to Middle of each Year	Births		Total Deaths registered in the District	
		Number	Rate	Number	Rate
1906	8380	176	21	105	12
1907	8450	157	18.3	118	13
1908	8480	199	23.4	105	12
1909	8586	184	21.4	106	12
1910	8676	190	21.9	90	10
1911	9060	176	19.4	110	12

COUNCIL OF BURY.

During 1911 and previous years.

Transferable Deaths		Nett Deaths belonging to the District			
		Under 1 year of age		At all ages	
Non-Residents registered in the District	Residents not registered in the District	Number	Rate per 1,000 Nett births	Number	Rate
	8	23	136.6	113	13.4
	8	16	101.9	126	14.9
	9	16	80.4	114	13.4
		14	76.08	114	13.2
	12	21	110.5	102	11.7
7	14	21	119.3	117	12.9

Total population at all ages,	9043	} At Census of 1911
Number of inhabited houses,	2102	
Average number of persons per house,	4.3	

RURAL DISTRICT

Cases of Infectious Diseases

Notifiable Disease	At all ages	Number of cases notified			
		At ages †—Years			
		Under 1	1 to 5	5 to 15	15 to 25
Small-pox	1				1
Cholera					
Diphtheria, including Membranous croup	10		5	5	
Erysipelas	4			1	
Scarlet fever	48		7	25	10
Typhus fever					
Enteric fever	8				
Relapsing fever					
Continued fever					
Puerperal fever	2				1
Plague					
Phthisis					
Totals	68		12	31	12

Isolation Hospital: Joint Board, Florence Nightingale, Deardens, Bury
,, Smallpox Hospital, Broomfield, Ainsworth
,, Phthisis Sanatorium, Holcombe, Ramsbottom

COUNCIL OF BURY.

ified during the year 1911.

		Total cases notified in each Locality					Total cases removed to Hospital
65	65 and upwards	Ainsworth.	Birtle-cum-Bamford.	Outwood.	Unsworth.	Walmersley cum-Shuttlewrth	
					1		1
			1		2	7	1
	1	2			2		
		1	3	4	37	3	21
		1	1		1		1
		2					
	1	6	5	4	43	10	24

available beds 96
" " 35
" " 50

All Notifiable Diseases can be concurrently treated

RURAL DISTRICT COUNCIL OF BURY.

[illegible]

Cancer, malignant disease	7								1	2		
Bronchitis ..	9	3							4	2		
Broncho-Pneumonia ..	4		2				2					
Pneumonia, other forms	6	2		1					2	1		
Other diseases of Respiratory organs ..												
Diarrhœa and Enteritis	14	9	2						2	1		
Appendicitis & Typhlitis												
Alcoholism ..												
Cirrhosis of liver ..	1								1			
Nephritis ..	4							2				
Puerperal Fever..	1							1				
Accidents and Diseases of Parturition												
Congenital Debility ..	5	5										
Violent Deaths ..	2			1					1			
Suicides.. ..												
Convulsions												
Heart diseases ..	12						1		4	4		
Other defined diseases..	37	2	1						11	12		
	117	21	6	6			8		19	35		22

TABLE IV

RURAL DISTRICT COUNCIL OF BURY.

INFANT MORTALITY. 1911.

Nett Deaths from stated causes at various ages under 1 year of age.

Cause of Death	under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under 1 year
Small-pox										
Chicken-pox										
Measles										
Scarlet Fever										
Diphtheria										
Whooping Cough										
Diarrhœa						3	4	2		9
Enteritis										
Tuberculous Meningitis										
Abdominal Tuberculous										
Other Tuberculous Diseases										
Congenital Malformations... ..										
Premature Birth	3				3					3
Atrophy, Debility, Marasmus		1			1	1				2
Atelectasis										
Injury at Birth										
Erysipelas										
Syphilis										
Rickets										
Meningitis										
Convulsions... ..										
Gastritis										
Laryngitis										
Bronchitis	1				1	1		1		3
Pneumonia						1	1			2
Suffocation, overlying										
Other Causes						1		1		2
	4	-1			5	5	7	3	1	21

Nett Births in the year : Legitimate 170, Illegitimate 6.

Nett Deaths in the year : Legitimate Infants 20, Illegitimate 1.

In recording the facts under the various headings of Tables I, II, III, & IV, attention has been given to the notes on the Tables.

Annual Report of Medical Officer of Health

FOR THE YEAR 1911, FOR THE

RURAL DISTRICT COUNCIL OF BURY,

Factories, Workshops, Workplaces, and Homework.

INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries.) ..	44	2	None
Workshops (Including Workshop Laundries.)..	32		
Workplaces			
Total	76	2	None

DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions	
	Found	Remedied.	Referred to H.M. Inspector		
Nuisances under the Public Health Acts :—					
Want of cleanliness	4	4			
Want of Ventilation					
Overcrowding	1	1			
Want of drainage of floors					
Other nuisances					
Sanitary accommodations {	1	1			
					insufficient
					unsuitable or defective
not separate for sexes					
Offences under the Factory and Workshop Acts :—					
Illegal occupation of underground bakehouse					
Breach of special sanitary requirements for bakehouses	1	1			
Other offences					
Total	7	7			

3 Dressmakers
2 Barbers
5 Clog and Shoe Makers
2 Undertakers, &c.
3 Painters
2 Breweries
1 Tripe Dressers
2 Bakehouses
1 Plumbers

Total number of workshops on Register 21

Matters notified to H.M. Inspectors of Factories :	Number
Failure to affix Abstract of the Factory and Workshops Act..	
Action taken in matters referred by { Notified by H.M. Inspector	2
H.M. Inspectors as remediable {	
under the Public Health Acts, but { Reports (of action taken)	
not under the Factory Act (S. 5) { sent to H.M. Inspectors	1
Other	
Underground Bakehouses :	
Certificates granted during the year	
In use at the end of the year	

JAMES W. COOK, Medical Officer of Health.

March 27th, 1912.

